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नई **दिल्ली, शनिवार, सितम्बर 29, 1984** (आश्वन 7, 1906)

No. 391

NEW DELHI, SATURDAY, SEPTEMBER 29, 1984 (ASVINA 7, 1906)

इस भाग में भिरत पुट्ट मंख्या वी जाती है, जिससे कि यह अलग संकलन के कप में रखा जा सके । (Separate paging is given to this Part in order that it may be filed as a separate compilation)

भाग III—खण्ड 2 [PART III—SECTION 2]

पेटेन्ट कार्यालय द्वारा जारी की गई पेटेन्टों और डिजाइनों से सम्बन्धित अधिसूचनाएं और नीटिस (Notifications and Notices issued by the Patent Office relating to Patents and Designs)

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Calcutta, the 29th September, 1984

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(807)

Calcutta, the 29th September, 1984

APPLICATION FOR PATENTS FILED AT THE HEAD OFFICE 214, ACHARYA JAGADISH BOSE ROAD, CALCUTTA-17

The dates shown in crescent bracket; are the dates claimed under Section 135, of the Act.

The 23rd August, 1984

588 Cal 84, Jawa. Friction Multi-Plate Clutch for Motor-cycles.

The 24th August, 1984

589 Cal 84. The Registrar, University of Calcutta, A wideband resonant-cap IMPATT amplifier with modified cavity.

The 27th August, 1984

- 590 Cal 84. American Home Products Corporation. Penicillinamidasc. (24th September, 1983).
- 591[Cal[84, Sulzer-Ruti Machinery Works Ld. Weaving Machines, 11st September, 1983].
- 592 Cal 84. Vickers. Incorporated. Power Transmission.
- 593|Cal|84. Vscsojuzny Nauchno-Issledovatelsky I Proektry Institut Aliuminicvoi Magnievoi I Elektrodnoi Promy-Hennosti Method of and apparatus heat treatm.rr; of Aliminium Hydrate.
- 594 Cal 84. Societe Anonyme De Recherche Et D'etudes Techniques Method, apparatus and machine for manufacturing blicks of compressed earth.
- 595[Cal[84, Pall Corporation Natural gas sweetner and Dehydrator without Atomospheric Acid gas discharge.

The 28th August, 1984

- 596|Cal|84. Emco General Plastic Industries Private Limited.
 Joining device for plastic pipes and such pipes with components like sockets, tees, bends, reducers and valves;
- 597 Cal 84. Richter Gedeon Vegyeszeti Gyar R. T. Process for the preparation of fermentation broth for coenzyme B₁₂ and other corrinoid production.
- 598|Cal|84. Richter Gedeon Vegyeszeti Gyar R. T. Process for the production of inoculum for anaerobic fermentation of coenzyme B₁₂.
- 599 Cal 84. Yen-Hsiung Wang, drafty Seat.

The 29th August, 1984

- 600|Cal[84. Cape Insulation Limited and Glass Incorporated International. Mineral fibre production.
- 601 Cal 84. Toyama Chemical Co., Ltd. Process for the preparation of Cephalosporins, [Divisional dated 19th September, 1981].
- 602[Cal]84. Toyama Chemical Co., Ltd. Process for the preparation of Cephalosporins, [Divisional dated 19th September, 1981].
- 603 Call 84. Toyama Chemical Co. Ltd. Process for the narrotion of Cephalosporius. [Divisional dated 19th September, 1981].
- 604 Cal 84. Truizshler Gmbh & Co. KG. Method and device for operating a bale opener for bales of Textile fibres.
- 605 Cal 84. American Can Company, Mutiple Layer Flexible Sheet Laminate.

APPLICATIONS FOR PATENTS FILED IN THE PATENT OFFICE BRANCH BOMBAY AT TODI ESTATES, LOWER PAREL WEST, BOMBAY-400 013

The 1st August 1984

- 212 Bom 84. Shakharam Sadashiv Purohit. Improved Foil Stamping Attachment for automatic Platen.
- 213 Bom 84. Narendra Sheth: Solar Energy Disc type Concentrating Collector,

The 2nd August, 1984

- 214 Bom 84. Prasanta Ray. Novel Rotary Heat Engine.
- 215 Bom 84. Nirmal Pannalal. A welding rod Holder.

The 7th August, 1984

- 216Bom 84. Aruna Padmakar Tole. A Safety Device for a Sewing Machine.
- 217 Bom 84. Paramount Sinters Private Limited. A novel Process for the Reduction Roasting of Manganese Ores and a Device therefor.
- 218 Bom 84. Chandrakant Ghadiali, A fan.
- 219 Bom 84. Hemant Pendurang Nadkarni. An unit in Carding Machine.

The 8th August, 1984

220 Bom 84. Beacon Industr'al Electronics Private Limited.

A Device for sensing & indicating the direction of rotation of a rotor.

The 9th August, 1984

- 221 Bom 84. Santrude Limited. Apparatus for the production of Granulates.
- 222 Bom 84. Ahmedabad Textile Industries Research Association. A tool for cutting Micronic Separations at the Edge if a Blade of Hardened Material such as for slub Catchers.

ALTERATION OF DATE

- 154165. (1427|Cal|80). Ante dated to 8th July, 1977.
- 154166. (1428|Cal|80). Ante duted to 8th July, 1977.
- 154180. (347 Cal 82). Ante dated to 19th May, 1978.
- 154196. (538|CaI|82). Ante dated to 21st January, 1980.

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the number of pages in the specification and drawing sheets mentioned below against each accepted specification and multiplying the same by four to get the charges as the copying charges per page are Rs. 4|-.

CLASS: 6A.

154147.

Int. Cl.: F 04 b 25 00.

IMPROVED EXTERNAL HOUSING ASSEMBLY FOR SPLIT CRANKCASE RADIAL COMPRESSOR.

Applicant: TECUMSEH PRODUCTS COMPANY, OF 100 EAST PATTERSON STREET, TECUMSEH, MICHIGAN 49286, UNITED STATES OF AMERICA.

Inventor: 1. HERBER GLENN SLEWERT.

Application No. 1321 Cal 80 filed November 28, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcuda,

9 Claims.

An improved external housing assembly for a split crankcase radial compressor, said housing comprising two halves joined together and sealed along a fluid-tight interface, the improvement comprising a plurality of the rods extending within said housing, wherein the opposite ends of the tie rods are connected to the respective housing halves, the tie rods clamping said housing halves together.

Compl. specn. 12 pages. Drgs. 1 sheet.

CLASS: 155D & 208.

154148.

Int. Cl.: B 32 b 27/90; B 43 1 1/90.

LAMINATED MATERIAL.

Applicant: 1. LENINGRADSKY TEKHNOLOGICHESKY INSTITUT TSELLJULOZNOBUMAZHNOI PROMYSHLENNOSTI, OF LENINGRAD, ULITSA IVANA CHERNYKH, 4, USSR; 2. PERESLAVSKY KHIMICHESKY ZAVOD, OF PERESLAVL ZALESSKY, POSELOK BOLSHEVIK, 32, USSR AND 3. TSENTRALNY INSTITUT TIPOVOGO PROEKTIROVANIA, OF ULITSA SMOLNAYA, 22, MOSCOW, USSR.

Inventors: 1. EDUARD LVOVICH AKIM, 2. TATYANA NIKOLAEVNA MATVEEVA, 3. NATALYA YAKOVLEVNA RASSKAZOVA, 4. NIKOLAI KERSHOVICH USHOMIRSKY, 5. VYACHESLAV KONSTANTINOVICH EFIMOX, 6. EVGENIA ABRAMOVNA ANDZHEL, 7. BORIS ALEXEEVICH SOROKING, 8. VALERY VIKTOROVICH GROMOV, 9. SVETLANA YAKOVLEVNA ZHELOBEVA, 10. VERA PETROVNA SOLOVIEVA.

Application No. 44 Cal 81 filed January 15, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

1 Claim.

A laminated material comprising a polyethylene terephthalate substrate and a facing paper-forming layer, which contains additionally an addes we obtain applied to the reverse side of the polyethylene terephthalate substrate and an antiadhesive paper layer over the adesive coating, with the proportions of constituents, in percent by mass, being as follows:

paper-forming facing layer as herein described 3 to 6 polyethylene terephthalate substrate adhesive coating 24 to 28

anti-adhesive poper layer as herein described, balance and the adhesive corting being composed either of a 30 to 50% agreement dispersion of a copolymer of vinyl acetate, butyl arrivlate and aervite and having a comonomer ration of 15:84:11 to 49:49:2 or a mixture of 30 to 50% agueous dispersion of said copolymer and a 30 to 50% agueous dispersion of a copolymer of butyl acrylate and vinyl n-butyl

ether having a comonmer ration of from 4:1 to 4:2, the proportions of said dispersions, in percent by mass, being as follows:

30 to 50% by mas aqueous dispersion of vinyl acetae-butyl acrylate-acrylic acid copolymer 30 to 50% by mass aqueous dispersion of butyl acrylate-vinyl n-butyl either copolymer

50 to 80 balance

Compl. specn. 22 pages. Drgs. Nil.

CLASS: 160A.

154149.

Int. Cl.: B 62 b 3 02.

LOAD-CARRYING TROLLEYS.

Applicant & Inventor: CRERAND McKINNON OF 1 STONE ROAD, BROMLEY, KENT BR 2 9AX, UNITED KINGDOM.

Application No. 1012 Cal 81 filed September 9, 1981.

Conventional dated 12th September 1980 (29528|80), 9th December 1980, (39458|80), 1st April 1981 (10165|81)

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims,

A load-carrying trolley comprising a load-supporting deck and opposed load-retaining side walls, the deck being displaceable from a horizontal working position into an out-of-use position and one or each of said side walls being pivotable relative to the other whereby the trolley, while stably supported by its wheels, can be converted from a use condition in which said walls are substantially parallel with each other into a nestable condition in which said side walls are mutually convergent and the trolley can be nested with other like, similarly converted trolleys, characterised in that said side walls are detachably connected to a base unit comprising a base frame which is mounted on the trolley wheels, said base frame comprising opposed wall-supporting side beams connected in spaced relationship by a bridge portion at least one of said side beams, together with the corresponding one of said side walls, being pivotable relative to said bits portion to permit said conversion of the trolley into said nestable condition.

Compl. specn. 23 pages. Drgs. 6 sheets.

CLASS: 126C.

154150.

Int. Cl.: G 01 r 5|00.

BIMETAL INDICATING INSTRUMENT.

Applicant: VDO ADOLF SCHINDLING AG, OF GRAFSTRASSE 103, FRANKFUT MAIN WEST GERMANY.

Inventors: 1. HANS-GEORG SANDER, 2. JURGEN EMMERICH.

Application No. 34|Cal|81 filed January 13, 2981.

Appropriate office for opposition proceedings (Rule 4, Petent, Rules, 1972) Patent Office, Calcutta.

9 Claims.

Bimetal indicating instrument with a U-shaped bimetal flat spring as metering element, one limb of which carries a filament winding, through which passes a measuring current, and at the free deflectable end of which same lumb the indicator is pivoted in a form-locking manner via a pin-slot link, whilst the other limb of the said spring is held at its end in a manner fixed in relation to the indicator axis in the structure of the instrument, the said axis possessing devices for adjusting the zero point and the angle of deflection of realing by means of altering the position of the fixedly held limb-end of the bimetal spring, characterized in, that the lim-end (la) of the bimetal spring (1) is rigidly connected with the free

end of band-shaped deformable carrier (2) and the other end (2a) of the carrier is fixed permanently in the structure of the instrument, and that for the adjustment of the zero point and the deflection angle of the reading instrument proper and/or instrument-alien means are provided by means of which the band-shaped carrier can be deformed at least two points in its longitudinal direction in such a manner, that by the one means (10, 12) a displacement of the limbered (1a) of the bimetal spring vertical to the slot articulation (5, 7) of the indicator (4) in the zero position is effected, and by the second means (11, 13) a displacement parallel to this slot direction is effected.

Compl. specn. 14 pages. Drgs. 1 sheet.

CLASS: 50D & 61D.

154151.

Int. Cl.: F 25 z 37 00.

A PACKING SHEET FOR USE IN CONTACTING AND CONTACTING APPARATUS.

Applicant & Inventor: RONALD PRIESTLY, OF 84, CHESTERWOOD ROAD, KINGS HEALTH, BIRMING-HAM 13, ENGLAND.

Application No. 88 Cal 81 filed January 28, 1981.

Convention date 28th January 1980 (02816|80) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims.

A packing sheet for use in contacting, which sheet comprises a substantially flat base, a plurality of parallel straight tube sectors formed in the sheet and projecting alternately each side of the plane of the flat base, each tubes sector being separated from its neighbour by a strip of the substantially flat base, and the surface of the tubes sector being corrugated.

Compl. specn. 13 pages. Drgs. 2 sheets.

CLASS: 206E

154152

Int. Cl. II 01 p 3[20.

COMMUNICATIONS EXCHANGE.

Applicant & Inventor: HERZL LAOR, OF 8 PINES ST REHOVOT, ISRAEL.

Application No 103 Cal 81 filed January 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

25 Claims

A communications exchange comprising:

a first plurality of electromagnetic radiation transmitting units each of which provides a beam of information bearing electromagnetic radiation;

at least one electromagnetic radiation receiving unit arranged in radiation receiving relationship with said first plurality;

and means for selectably directing said at least one receiving unit to a desired one of said first plurality of transmitting units.

Compl. specn. 33 pages.

Drgs. 9 sheets

CLASS: 206E.

154153

Int. Cl.: H 03 k 19|00.

SPEECH DETECTOR CIRCUIT WITH ASSOCIATED GAIN CONTROL FOR A TASI SYSTEM.

Applicant: COMTECH COMMUNICATION CORPORATION, AT 3400 INDUSTRIAL LANE, BROOMFIELD, COLORADO, U.S.A.

Inventor: PETER G. RUETHER,

Application No. 280 | Cal | 81 filed March 13, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

17 Claims

A speech detector circuit having associated gain control for determining whether input signals form a plurality of input channels are speech, said circuit comprising.

- a sampling means associated with each of said input channels for providing digital samples of the input signals on each of said channels;
- a gain control circuit for producing gain adjusted samples from said digital samples;
- a memory means for storing said gain adjusted samples, said gain adjusted samples being stored at a first rate;
- a means for retrieving said gain adjusted samples from a selected channel at a second rate greater than said first rate to produce a gain adjusted, time compressed input signal for each channel;
- a storage means for storing a representation of the old speech level for each channel, said gain control circuit being responsive to said old speech level; and
- a first means for comparing said gain adjusted, time compressed input signal from one channel against a selected threshold for that channel, said threshold being derived from the old speech level for that channel, whereby speech is determined to be present when said threshold is exceeded.

Compl. specn, 25 pages.

Drgs. 5 sheets

CLASS 146D₃

154154

Int. Cl. G 02 b 7 10; 27 30.

COLUMATION LENS SYSTEM.

Applicant: BARR & STOROUD LIMITED, OF CAXTON STREET, ANNIESLAND, GLASGOW G13 1HZ, SCOTLAND.

Inventor: IAIN ALESANDER NEIL.

Application No. 341 Cal 81 filed March 28, 1981.

Conventional Date 26th April, 1980 (8013848) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

An eyepiece or collimation lens system formed by three optically-powered lens elements aligned on a common optical exis and arranged to accept radiation in the infrared wave length region from a real image and to provide a bundle of parallel rays at an exit pupil, each said lens element being positively powered and made of a material which has a useful spectral band-pass in the infrared wavelength region, the refractive surface of the lens element adalacent said real image being flat and the five other refractive surfaces of said lens elements being substantially spherical

Compl. speen, 10 pages.

Drgs. 1 sheet.

CLASS: 69A & B & I.

154155

Int Cl. H 01 h 47 00.

ELECTRONIC TRIP DEVICE.

Applicant: MERLIN GERIN, OF RUE HENRI TRAZE, 38050 GRENOBLE CEDEX, FRANCE.

Inventors: 1. PIERRE DEMEYER, 2. PAUL CLAUDIN.

Application No. 350|Cal|81 filed March 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule), 1972) Patent Office, Calcutta.

9 Claims

Electronic trip device associated with the control mechanism of a multi-note circuit breaker and comprising;

— a detector formed of current transformers (12, 14, 16, 18, 30) and delivering a signal representing the current flowing in the network conductors.

— long time delay, short time delay and or ground fault electronic trip circuits to generate delayed or instantaneous trip orders according to the magnitude and the nature of the fault current.

-- and a trip coil (22) energized via a switch, the latter being sensitive to a trip signal emanating from one or other of the trip circuits, following detection of an overload, short circuit or differential current, wherein said signal representing the current is applied to a metering resister (40) electrically connected in a series circuit (42) also including a device (44) for supplying said trip circuit, with a stabilized direct voltage, and the trip coil (22) to whose terminals is connected in parallel the switch (52) being either in an ON-stote to shout the coil (22) or in an OFF-state when a trip signal is delivered by one of the trip circuits LR, CR and H, thus causing an increase of the impedance of the series circuit (42) and energizing of the trip coil (22).

Compl. specn. 11 pages.

Drgs. 2 sheets.

CLASS: 69A & D

154156

Int. Cl. H 01 h 9 44.

PERMANEN'T MAGNET ROTATING ARC SWITCH.

Applicant: MERLIN GERIN, OF RUE HENRI TARZE, 38050 GRENOBLE CEDEX, FRANCE.

Inventors: 1. BERNARD GEORGES, 2. OLIVE SERGE, 3. SCARPONI FRANCESCO,

Application No. 383 Cal 81 filed April 8, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

Permanent magnet rotating are switch comprising;

a fight enclosure (10) filed with an electronegative gas such as sulfur hexafluoride, having a high dielectric strength a pair of contacts (16, 18) housed in said enclosure and having annular contact surfaces (34, 36) coming into abutment in the closed position, said contacts being separable by relative movement in a direction perpendicular to the annular contact surfaces,

— the said contact (16) being formed as a cylindrical housing

— an annular electrode (36) surrounding the periphery of the bottom of the cylindrical housing opposite the other contact and whose leading face constituted the annular surface of the associated contact,

— a permanent magnet (38) lodged within said housing so as to develop a magnetic field in the annular contact separation zone, and to comel rotation of the arc drawn upon said annular surfaces (34, 36) between the separated contacts, the permanent magnet (38) being placed up against the rear face of the annular electrode (36) and comprising a central cavity (40) in line with the central orifice of the annular electrode (36).

Compl. specn. 9 pages,

Drgs. 1 sheet.

CLASS: 47E & 127H.

154157

Int. Cl. C 10 b 25 08.

LATCHING MECHANISM ON COKE OVEN DOORS.

Applicant: DR. C. OTTO & COMP. GMBH., OF CHRISTSTRASSE 9, 4630 BOCHUM, WEST GERMANY.

Inventor: FRIEDRICH ERNST.

Application No. 445 Cal 81 filed April 28, 1981.

Appropriate office for opposition preceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

6 Claims.

A latching mechanism on toke oven doors, at least two latching beams being mounted on the door at different heights for movement perpendicularly to the door plane, each such beam when in closed position engaging by way of its outer ends on hooks on the door frame, as abutment, the door being pressed against the door frame by spring forces acting on the latching beams, characterised in that the latching beams (4) are guided for movement near their free ends in slots (5) disposed perpendicularly to the door plane in rigid retaining members (6) secured to the door (1); each latching beam (4) is acted on by a toggle mechanism (8) which produces a parallel movement in the slots (5); the toggle mechanisms (8) are so disposed on the production beams (4) as to be in laterally inverted relationship in respect of the angular position of their toggle arms (5, 10); and two axially consecutive spaced-apart actuating rods (13) are provided whose outer ends are pivoted to the central articulation of a toggle mechanism (8) and whose inner ends are connected to a common biassing element (17), e.g. a spring biassing the toggle mechanisms (8) in the sense of extending their arms (9, 10).

Compl. specn. 13 pages.

Drgs. 2 sheets.

CLASS: 69A.

154158

Int. Cl. G 05 f 5 00.

ELECTROLYTIC CELL ELECTRICAL SHUNTING SWITCH ASSEMBLY.

Applicant; WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTER, PITTSBURGH, PENNSYLVANIA 15222, UNITED STATES OF AMERICA.

Inventor: PAUL ORLANDO WAYLAND.

Application No. 447|Cal|81 filed April 28, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

10 Claims

An electrical shunting switch assembly adapted to be electrically connected in parallel across an electrolytic cell, which assembly comprises (a) a plurality of electrically parallel branch conductor paths each of which includes a vacuum switch and a series resitance of predetermined value in cach parallel switch-containing branch, so that the current in cash respective parallel branch is limited to a predeterminded design valve, and (b) means for asynchronously operating the vacuum switches to divert an increased portion of the current from the switch assembly back through the cell when the voltage across the switch assembly exceeds the cell electrolyzing potential, whereby the arc current which an individual vacuum switch must dissipate upon switch opening is limited to the predetermined design value.

Compl. specn. 18 pages.

Drgs. 3 sheets.

812

CLASS: 102D.

154159

Int. Cl. F 15 b 15 00.

FLUID-POWERED FREE PISTON MACHINES SUCH AS PHEUMATIC HAMMER DRILLS.

Applicant: HALIFAX TOOL COMPANY LIMITED, OF SOUL d'Ornald, HALIFAX HX3 o1W, WEST YORKSHILE, ELOHAND,

Inventor: MOLL BRUCE COX.

Application No. 480 Cal 81 filed May 7, 1981.

Conventional dated 9th May, 1980 (8015389) U.K. and 16th Dec. mag. 1980 (8040286) U.K.

Appropriate office for opposition proceedings (Rule 4, Pacents Rules, 1912) Patent Office, Calcutta.

A valvel is pressure fluid-powered free piston machine A valvel 55 pressure fluid-powered free piston machine composing a piston reciprocable in a cylinder providing power and return working chambers (12, 31) respectively at opposite ends thereof; axially spaced-apart pressure and exhaust piston wall ports (23, 25) and associated pressure and exhaust passages (22, 24) in the piston, and cooperative flow passages formed at least partly in the cylinder wall for connecting said pressure and exhaust piston wall ports with the power and return working chambers respectively, and accordance with the piston of the piston in the cylinder, and a pressure fluid supply time (10) extending axially within the power working chamber (12), characterised in that the supply line (10) enters and has an open termination within a mating axial pressure recess (11, 11a) said supply ine and said pressure recess being responsive to movement of the piston in the cylinder and cooperating to provide a flow path from the revess (11, 11a) to the power working chamber (12) during part of the cycle of reciprocation of the piston.

Compl. spccn. 15 pages.

Drgs. 5 sheets.

CLASS 129G

154160

Int. Cl. B 21 b 19 10.

METHOD AND MACHINE FOR REMOVING BURRS FROM OR TRIMMING Λ SOCKET OF A CAST-IRON

Applicant: PONT-A-MOUSSON S. A., OF 91 AVENUE DE LA LIBERATION, F-54000 NANCY, FRANCE

Inventor: 1. FUMINIER CLAUDE-BARTHELEMY.

Application No. 558 Cal 81 filed May 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims

A method for removing burrs from or trimming socket of a cast-iron pipe, characterised in that a region of the wall of the socket to be trimmed is clamped radially between inner and outer rotating rollers following the inner and outer profiles to be trimmed, whilst rotating the pipe about its own axis, said cast iron pipe being rotating by said rollers rotating at the same speed.

Compl. speen. 28 pages.

Drgs. 4 sheets.

CLASS: 116H.

154161

Int. Cl. B 60 p 3|12; 3|28.

TRUCK CRANE.

Applicant: KOMBINAT VRZADZEN MECHANICZN-CH "BUMAR—LABEDY" ZAKLAD DOSWIADCZALNY ZWIGOW SAMOCHODOWYCH I SAMOJEZDNYCH L. GALCZYNSKIEGO 6, 43-300 BIELSKO-BIALA, DZWIGOW POLAND.

INVERTORS: 1. EDWARD HYRLIK, 2. PIOTR MORAWSKI, 3. STANISLAW SKOCZYLAS, 4. EDWARD SOSNA, D. ANDRZEJ ZEMAINEK.

Application No. 614 Cal 81 filed June 8, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Kules, 1972) Patent Office, Calcutta.

A "break-down" truck crane comprising a telescopic boom suspended from a platform connected rotatably with a suppoling maine mounted on the frame of the truck chassis, capstan and an anchoring device, characterised in that a jack for extending the boom is mounted, together with jacks for causing radius variation of the boom on a common axis on the boom in the vicinity of its head; a rope lifting; hoiston the boom in the vicinity of its head, a rope lifting;hoisting winch being disposed in the front part of the platform and a lifting rope wound over a pulley located in the axis of rotation of the boom; the capstan tope winding winch being mounted in a bracket disposed behind the cab of the chassis; the oil tank and the working table being mounted on the said bracket; a stretching and cleaning device connected with the rope of the capstan being mounted between the supporting frame and the frame of the chassis; guiding pulleys for the capstan rope being disposed outside the supporting frame, and the anchoring device being provided with an anchor comprising two arms mounted rotatably in the supporting frame and connected by means of a share the supporting frame and connected by means of a share carried over by jacks connected with the supporting frame.

Compl. specn. 11 pages.

Drgs, 3 sheets.

CLASS: 144A; 144B; 155D; 155F1; 155F

154162.

Int, Cl. B 44 d 1 09; E 04 c 2 20.

A LAMINATED STRUCTURE OF POLYETHYLENE AND METAL AND A METHOD OF ITS MAKING.

Applicant: METAL BOX LIMITED, OF QUEENS HOUSE, FORBURY ROAD, READING RGI 31H, BERK-SHIRE, ENGLAND.

Inventors: 1. DOMTNIC IBI NELSON-ASHLEY, 2. GRAHAM MARTIN GOSSEDGE.

Application No. 691 Cal 81 filed June 26, 1981.

Conventional date 26th June, 1980 (80 20893) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

21 Claims

A laminated structure consisting of at least one layer of a polyethylene copolymer and at least one layer of a metal of the type herein described the or each polyethylene copolymer layer being fixed directly to a surface of a metal layer of a type hereinbefore described, characterized in that the polythylene copolymer as bereinbefore described is a linear low density polyethylene copolymer having a density in the range from 0.91 to 0.94 g.ml-1 and a melt flow index in the tange 10.2 to 2.0 g/10min, produced by low pressure co-polymerisation of ethylene and but-1-ene.

Compl. specn. 21 pages.

Drgs. 2 sheets.

CLASS: 40B& 40G.

154163

Int. Cl. B 01 j 11|06; G 03 c 1|72.

PROCESS FOR THE PHOTODECOMPOSITION OF WATER.

Applicant: SIBIT S.p.A., OF 31, FORO BUONAPARTE, MILAN, ITALY.

Inventor: MARIO VISCA.

Application No. 692 Cal 81 filed 26th June 1981.

Appropriate office for opposition proceed Patents Rules 1972) Patent Office, Calcutta, office for opposition proceedings (Rule 4,

1 Claim

An improved process for the photodecomposition of water characterized in that water is irradiated with light in the presence of colloidal platinum and an oxidation catalyst, in the presence of a known redox system, said oxidation catalyst consisting of particles of TiO₂ doped with Nb and containing RUO₂ on their surface, the particle size of the TiO₂ particles being comprised between 50 A and 10 micron and the quantity of Nb (expressed as Nb₂O₅) and the quantity of RUO₂ being both comprised between 0.001% and 10% by weight with respect to the TiO₂.

Compl. specn. 12 pages.

Drgs. Nil.

CLASS: 119F

134164.

Int. Cl. D 03 d 47 30:

WEAVING LOOM AND METHOD OF LOOM WEAV-

Applicant: LEESONA CORPORATION, AT 333 STRAWBERRY FIELD ROAD, WARWICK, COUNTY OF KENT, RHODE ISLAND, U.S.A.

Inventors: 1. CHARLES WILLIAM BROUWER, 2. HOMER GARY OSBON, 3. KARL WILLY WUEGER.

Application No. 828|Cal|80 filed July 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent's Rules 1972) Patent Office, Calcutta

45 Claims

A method of loom, weaving in which a west strand is inserted into the shed of a loom, the improvement comprising the steps of: providing a nozzle in proximity to one side of the shed to serve as a guide for a west strand passing through said nozzle, and abruptly expelling from said pulse of a pressurized gaseous medium to thereby pass said west strend through at least a portion of said shed.

Compl. specn. 145 pages.

Drgs. 17 sheets.

CLASS 981.

154165

Int. Cl. F 24 j 3 02.

APPARATUS FOR CONVERTING SOLAR ENERGY TO ELECTRICAL ENERGY.

Applicant & Inventor: VIRGIL STARK, AT 936 FIFTH AVENUE, NEW YORK., N. Y. 10021, U. S. A.

Application No. 1427 [Cal] 80 filed December 24, 1980.

Division of Application No. 1041 Cal 77 dated 8th July, 1977.

Appropriate office for opposition proceedings (Rule 4. Patents Rules, 1972) Patent Office, Calcutta.

(14 claims)

Apparatus for converting solar energy to electrical energy comprising elongated collector means including an planer elongated conduit adapted to pass a fluid outer elongated conduit adapted to pass a fluid outer elongated conduit adapted to pass a fluid outer elongated conduit adapted to pass enclosing said inner conduit, said outer having substantially parallel axes and said in a fining transparent at least in part, said apparatus further comprising elongated lens means having an elongated focus in which the solar energy may be concentrated, said lens means and outer and inner conduits and having an elongated focus in which the solar energy may be concentrated, said lens means and outer and inner conduits being positioned so that the elongated focus of said lens means is adapted to extend substantially on or within and substantially along the length of said inner conduit, and photoelectric means disposed in or on said inner conduit, and photoelectric means disposed in or on said inner conduit, and photoelectric means being in alignment with the transparent nart of said outer conduit and being adapted to receive concentrated solar energy passing through the transparent part of said outer conduit.

(Compl. speen. 51 pages. Drgs. 11 sheets),

CLASS: 56D & 98L

154166.

Int. Cl. F 24 j 3 02.

APPARATUS FOR DISTILLING LIQUIDS INCLUDING WATER USING SOLAR ENERGY.

Applicant & Inventor: VIRGIL STARK, AT 936 FIFTH AVENUE, NEW YORK, N. Y. 10021, U.S.A.

Application No. 1428 Cal 80 filed December 24, 1980.

Division of Application No. 1041|Cal|77 dated 8th July, 1977.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Iffice, Calcutta.

(32 claims)

Apparatus for distilling liquids including water using solar energy comprising container means for holding liquid to be distilled, elongated lens means disposed above said container means for concentrating solar energy in said container means, said apparatus including an elongated member having a substantially smooth surface disposed above the container means and which is solar energy transmitting at least in part, said member being positioned such that solar energy is transmitted therethrough to said container means and rising evaporated therethrough to said container means impinges upon said surface and is condensed thereon, said surface having a portion inclined with respect to the horizontal such that condensed liquid flows along said surface to a vertically lower portion thereof and is discharged therefrom, and liquid collecting means disposed below said lower portion of said smooth surface for collecting condensed liquid discharged from said lower portion.

(Compl. specn. 62 pages. Drgs. 11 sheets).

CLASS: 187C & L.

154167.

Int. Cl. G 08 b 11|00; G 08 c 9|00.

A MODULAR TELECOMMUNICATION SYSTEM.

Applicant: SIEMENS AKTIENGESELLSCHAFT, OF BERLIN AND MUNICH, FEDERAL REPUBLIC OF GERMANY.

Inventors: 1. DIPL. ING. MANFRED GANZ, 2. ENRI-OUE GUELDNER. 3. DIPL ING. DIETER BURGERMEIS-TER.

Application No. 743 Cal 81 filed July 4, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

(19 claims)

A modular telecommunication system for exchanging data between any pair of a multiplicity of data terminals, said telecommunication system including a plurality of switching blocks and a plurality of interconnecting lines for interconnecting said switching blocks, each of said switching blocks adapted to be connected to a respective group of data terminals and having:

- (a) line terminators each associated with a respective one of said groups of dafa terminals;
- (b) means connected to said line terminators for controlling local data transfer across real channels from and to said line terminators;
- (c) an interface unit coupling said switching blocks to a respective one of said interconnecting lines for providing remote data exchange between data terminals associated with different switching blocks, the improvement comprising:

each of said switching blocks being proveded with a multiplicity of said real channels, determining local communication links and with a corresponding multiplicity of virtual channels determining remote communication links with another switching block across said inter-connecting lines wherein connections across said real channels and said virtual channels are set up by said control means in a corresponding manner; said virtual channels being arranged in groups, each group being statically associated with a respective one of said other switching blocks; and

said virtual channels of each of said groups being assigned in a cyclic order to consecutive interconnecting lines.

(Compl. specn. 83 pages. Drgs. 14 sheets).

CLASS 31C.

154168.

Int. Cl|2' H 011 9|00.

SEMICONDUCTOR INTEGRATED CIRCUIT DEVICE.

Applicant: 1. HITACHI, LTD., OF 5-1, MARUNOUCHI 1-CHOME, CHIYODA-KU, TOKYO, JAPAN; AND 2. HITACHI MICROCOMPUTER ENGINEERING LTD., OF 1479, JOSUIHONCHO, KODAIRA-SHI, TOKYO, JAPAN.

Inventors: 1. YOSHIBUMI ANDO, 2. TAKASHI SAKA-MITO, 3. KANJI YOH, 4. HISAHIRO MORIUCHI, 5. SUMIAKI TAKEI.

Application No. 857 Cal 81 filed July 30, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

9 Claims.

A semiconductor integrated circuit device comprising:

an external terminals;

an insulated gate field effect transistor (or an MISFET) including a first output electrode, a second output electrode coupled to said external terminal, and a gate electrode for generating signals:

a drive circuit for generating a drive signal to be fed to said gate electrode of said insulated gate fields effect transmitor; and

first resistor means connected between said gate electrode and output terminal of said drive circuit.

(Compl. specn. 28 pages. Drgs. 4 sheets).

CLASS 144A & B.

154169.

Int. Cl. B 08 b 17|00; C 09 d 5|00.

ANTI-FOULING COATING COMPOSITIONS.

Applicant: SCOTT BADER COMPANY LIMITED, OF WILLASTON, WELLINGBOROUGH, NORTHHAMPTON-SHIRE NN9 7RL, ENGLAND.

Inventor: 1. JOHN MICHAEL LAYTON.

Application No. 908/Cal/81 filed August 13, 1981.

Conventional dated 15th August 1980 (80|26663) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims

A composition for use as an anti-fouling coating on an article body, the composition comprising a resin curable by a free-radical-initiated cross-linking mechanism such as herein described and particles comprising copper in a range from 30 to 75 per cent by weight of the total composition to give fouling resistance characterized in that the resin has an acid value of less than 10 mg KOHlg so as to render the composition evenly spreadable on incorporating therein the free-radical initiator of the type herein described.

(Compl. specn. 13 pages. Drgs. nil),

CLASS 151G

154170.

Tat. Class: F 16L 17]02.

"A SEALING RING FOR IMPARTING A SEALING

"A SEALING RING FOR IMPARTING A SEALING BETWEEN TWO FLUID CONVEYING PIPES"

Applicant: MICHAEL JOHN POOK, A BRITISH CITIZEN, OF C-4, COMMERCIAL CENTRES, SAFDARJUNG DEVELOPMENT AREA, NEW DELHI-110016, INDIA.

Inventor: MICHAEL JOHN POOK.

Application for Patent No. 249 Del 80 filed on 5th April, 1980.

Complete specification left on 3rd July, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rule, 1972) Patent Office Branch, New Delhi-110005.

6 Claims.

An annular scaling ring imparting a scaling between two fluid conveying pipes made of any known resilient material comprising a first and second arm spaced from each other and having a connecting web at one end thereof characterized in that atleast one of said arms has a plurality of spaced scaling locations provided circumferentially on the outer surface thereof, the zone between two adjacent or spaced scaling locations being a captive zone is capable or accommodating dirt or foreign particles therein.

(Provisional specification 4 pages. Drawing 2 sheets).

Complete specification 9 pages.

CLASS: 32F2(a) & 70C7.

154171.

Int. Class: CO7c 97|10.

"AN ELECTROLYTIC PROCESS FOR THE PREPARA-TION OF O-ANISIDINE FROM Q-NITROANISOLE".

Applicant: COUNCIL OF SCIENTIFIC AND INDUST-RIAL RESEARCH, RAFI MARG, NEW DELHI-110001, INDIA, AN INDIAN REGISTERED BODY INCORPORAT-ED UNDER THE REGISTRATIN OF SOCIETIES ACT (ACT XXI OF 1860).

Inventors: HANDADY VENKATAKRISHNA UDUPA & PAYYALLUR NARAYANAN ANANTHARAMAN.

Application for Patent No. 280|Del|80 filed on 19th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office Branch, New Delhi-110005.

(2 claims)

An electrolytic process for the preparation of O-anisidine comprising reducing o-nitroanisole in an electrolytic cell with a stationary or rotating cathode at a temperature between 50-60°C using current densities of from 1 to 40 A|dm² in an electrolytic cell in which the catholyte consists of mineral acid preferably sulphuric acid containing titanous or titanic sulphate in the concentration of 1 g Tio₃|100 ml of catholyte and o-nitroanisole in the form of suspension added in instalments such that the quantity added never exceeds the equivalent quantity of titanous sulphate present in the catholyte at any time and wherein the cathode is made of copper, the anode is made of an alloy of lead and silver (1 per cent silver), the anolyte is a mineral acid preferably sulphuric acid of 20 per cent (V|V) and the catholyte and anolyte are separated by a porous diaphragm cell.

(Complete specification 10 pages).

CLASS: $32F_{2}(b)$

154172

Int. Class: C07d 85|00

"PROCESS FOR THE PREPARATION OF 17β—HYDROXY—17α—METHYL—5—ANDROSTANO [3, 4-c]-1', 2', 5'—OXADIAZOLE.

Applicant: HARKISHAN SINGH AND DHARAM PAUL, both of the Department of Pharmaceutical Sciences, Punjab University, Chandigarh 160014, India, both Indian citizens,

Inventors: Harkishan Singh and Dharam Paul.

Application for patent no. 294[Del]80 filed on 24th April,

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5,

3 Claims,

Process for the preparation of 176—hydroxy - 17a—methyl—5e—androstano [3, 4-C]-1', 2', 5'—oxadiazole of formula (3)

comprises the steps (i) eximation of 4-hydroxy-17a methyltestosterone of the formula (1)

to obtain 17a-methyl-3, 4-dioximino-58-androstan-17B-01 of formula (2)

(ii) heating the compound of formula (2) thus obtained with potassium hydroxide in ethylene glycol to obtain 17B-hydroxy-17 \S -meghyl-5 α -androstano [3, 4-C] 1' 2', 5'-oxadiazole.

(Compl. specn: 3 pages. Drg. 1 sheet). 2-257 GI|84

CLASS: 114 E

Int. Class: C.14 c, 1100

154173

"ENZYMATIC PROCESS FOR THE TREATMENT OF SKINS AND HIDES".

Applicant: ROHM G.m.b.H., a German body corporate of the Federal Republic of Germany of Kirschenalles, 6100 Darmstadt 1, Federal Republic of Germany.

Inventor: Rolf Monsheimer and Einst Pficiderer.

Application for Patent No. 311 Del 1980 filed on 28th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

18 Claims

A process for the treatment of skins or hide wherein the skin or hide, having been substantially freed of any preserving salt, is treated with one or more disulphide-bridge-splitting substances, such as herein described at a pH in the acid pH range and is subsequently treated at a pH of from 11 to 13 with at least one protease active in the alkaline pH range whereby simultaneous hair loosening and skin opening-up are effected.

(Complete specification 14 pages).

 $CIASS : 32F_{2}(b) \& 55D_{2}$

154174

Int. Class: C07d 91|00

"A PROCESS FOR THE MANUFACTURE OF INSECTICIDALLY ACTIVE THIAZOLYLIDENE-OXO-PRO-PIONITRILES"

Appl.cant: SCHERING AKTIENGESELLSCHAFT, a body corporate organised according to the laws of the Federal Republic of Germany, of Berlin and Bergkamen, Federal Republic of Germany.

Inentois : REINHOLD PUTTNER, ULRICH BUHMANN & HARTMUT JOPPIEN.

Application for patent No. 318 Del 80 filed on 29th April, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

4 Claims

A process for the manufacture of a thiazolylidene-oxo-propionitrile of the general formula I

in which R_1 represents a hydrogen atom, a halogen atom, a C_1 - C_0 -alkyl group, a C_3 - C_0 -cycloalkyl group, a thienyl group, a pyridyl group, a phenyl group, or a phenyl group substituted by one or more substituents selected from C_1 - C_4 -alkyl groups, C_1 - C_4 -alkoxy groups, C_1 - C_4 -alkylthio groups, halogen atoms, trifluoromethyl groups, nitro groups and cyano groups, R_2 represents a hydrogen atom, a halogen atom, a C_1 - C_6 -alkyl group, a C_3 - C_6 -cycloalkyl group, a thienyl group, a pyridyl group, a phenyl group, or a phenyl group substituted by one or more substituents selected from C_1 - C_4 -alkyl groups, C_1 - C_4 -alkoxy groups, C_1 - C_4 -alkylthio groups, halogen atoms, trifluoromethyl groups, nitro groups and cyano groups, and R_4 represents an unsubstituted phenyl

group or a phenyl group substituted by one or more substituents selected from C_1 - C_4 -alkyl groups, halo- C_1 - C_4 -alkyl groups, halogen atoms, trifluoromethyl groups, nitro groups and cyano groups wherein a thiazolyl-acetonitrile of the general formula II

in which R_1 and R_2 have the meanings given above, or an alkali salt thereof is reacted with an acid halide of the general formula ΠI

in which $R_{\rm b}$ has the meaning given above and represents a halogen atom, the reaction being carried out in an inert solvent and in the presence of an organic base such as herein described.

(Complete specification 211 pages. Drawing 1 sheet).

CLASS : 23H 154175

Int. Class: B6td 37|00, 49|00

"GUARD BOX".

Applicant: DIRECTOR GENERAL, Research Designs & Standards Organisation, Government of India, Ministry of Railways, Lucknow-226 011, India, an Indian national.

Inventor: SATYENDRA KUMAR.

Application for patent no. 324|DEL|80 filed on 2nd May, 1980,

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

4 Claims

A guard box for use in a rolling stock comprising a box member, a lid member hingedly connected said box member, a hasp and staple provided with said box and lid member for locking of said box characterized in that said box and lid member is made of aluminium, a tray is removably supported on a support within said box member, a plurality of straps or wires being provided on the inner surface of said lid member, a stiffener reinforcement being with said lid.

(Complete specification 5 pages. Drawing 1 sheet).

CLASS: 151D 154176

Int. Class: B21c 37|00

"PIPE OR SIMILAR TUBULAR MEMBER OF SPHEROIDAL GRAPHITE CAST IRON AND METHOD OF MANUFACTURING THE SAME".

Applicant: PONT A MOUSSON S.A., a French Company, of 91 Avenue do la Liberation, F-54000 Nancy, France.

Application for patent no. 325|Del|80 filed on 2nd May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules 1972) Patent Office Branch, New Delhi-5.

10 Claims

A pipe or similar tubular member of spheroidal graphite cast iron comprising a conventional barrel having formed integrally therewith at one end a terminal socket, said socket having a smooth inner surface and a smooth outer surface and a wall thickness constant throughout and equal to the wall thickness of the barrel of the pipe, characterised in that said socket is composed of a first section in the form of a flared frusto-conical portion diverging from said barrel and a second section composed of two successive curved portions each of varying radius forming an unsymmetrical profile of two successive curves, the first curved portion being located adjacent said flared frusto-conical first section and the second curved portion being located adjacent said flared frusto-conical first section and the second curved portion, the radius of curvature of said first curved portion being at least three times the wall thickness of said pipe and the radius of curvature of the second curved portion, the far end of said socket to form a constricted portion, the far end of said socket to form a constricted entrance to said socket, the diameter of said entrance being substantially less than the maximum diameter of the socket but at least equal to the least diameter of said flared frusto-conical section, said first and second curved portion forming a recess for receiving a fluid-tight packing associated with the end of a pipe to be inserted within and engaged by said socket.

(Complete specification 14 pages. Drawing 2 sheets).

CLASS: 114 D 154177

Int. Class: C14b 7|00

"PROCESS FOR THE PREPARATION OF SHEET MATERIAL FROM LEATHER WASTE",

Applicant: COIJNCIL OF SCIENTIFIC AND INDUSTRIAL RESPARCH, Rafi Marg, New Delhi-1, India, an Indian Registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors: NATESAN JAMANATHAN. RAMA-SWAMY SANJEEVI, VISHWANATHAN ARUMUGAM & BEEMA LOKANADAM,

Application for patent no, 326|Del|80 filed on 2nd May, 1980.

Appropriate office for opposition proceedings (Rule 4, Patent Rules 1972) Potent Office Branch, New Delhi-5.

5 Claims

Process for the preparation of sheet materials from leather waste which comprises coating at least one face of a textile fabric with a binder material of the kind such as herein defined, spreading leather waste in powder or fibre form thereon, pressing the fabric thus coated into a sheet and finishing said sheet with a lacquer emulsion.

(Complete specification 8 pages. Drawing 1 sheet),

CLASS: $32F_2(.)$, $70C_7$ 154178

Int. Class: C07c 91|00

"AN FLECTROLYTIC PROCESS FOR THE PRODUCTION OF 2, 4 DIAMINO PHENOL SULPHATE".

Applicant: COUNCIL OF SCIENTIFIC AND INDUSTRIAL RESEARCH, Rafi Marg, New Delhl-110001, India, an Indian registered body incorporated under the Registration of Societies Act (Act XXI of 1860).

Inventors: HANDADY VENKATAKRISHNA UDUPA, POYYALI.UR NARAYANAN ANANTHARAMAN AND MICHAEL NOEL,

Application for patent no. 327]Del 80 filed on 2nd May, 1980.

Complete Specification 1sft on 1st July, 1981.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972), Patent Office Branch, New Delhi-110005.

7 Claims

An electrolytic process for the production of 2, 4 diaminophenol sulphate comprising subjecting to electrolysis a suspension by 2--4 dinitrophenol in sulpharic acid, an additive admixture of titanium sulphate and hydrated copper sulphate and boric acid or glycerol as stabiliser therefor, in a diaphargm cell as catholyte and sulphuric acid as amolyte at a cathode current density of 5--15 A|dm² within a temperature range of 40°--60°C, cooling the catholyte to separate crystallised 2, 4 diaminophenol formed and reusing the catholyte.

(Provisional Specification 7 pages Complete Specification 11 pages),

CLASS: 120B2

154179

Int. Class: F16n 7|36

"LUBRICATION SYSTEMS IN REFRIGERATOR COMPRESSORS".

Applicant: NECCHI S.p.A., of Via Rismondo 78 - Pavia, Italy, an Italian Company.

Inventor: ALFREDO BAR.

Application for patent no. 330|DFL|80 filed on 5th May, 1980.

Appropriate Office for opposition proceedings (Rule 4, Patents Rule, 1972), Putent Office Branch, New Delhi-110005.

3 Claims

A refrigeration compressor having a vertical crankshaft and a lubrication system, stid system comprising a tube placed in a slanting position at one end of said crankshaft and adapted to pump, by a centrifugal effect, the lubricating oil contained in the bottom of the compressor casing to the couplings of said compressor to be lubricated, said tube having an upper portion with a circular form and comprising a slot over its entire height which is of constant width along the said upper portion, but which gradually widens along the lower portion such that the lower end is of semi-circumferential configuration.

(Complete specification 6 pages. Drawing 1 sheet).

CLASS: 23E & 116G

154180

Int. Cl.: B65j 1|02

AN IMPROVED FREIGHT CARRIER.

Applicants: DOROTHY ELIZABETH HOWF, OF 17, HEYHOUSES LANE, ST. ANNIES-On-SFA, I ANCASHIRE, ENGLAND, AND PETER HOWE, FORMURLY OF 224A HEYHOUSES LANE, ST. ANNES-ON-SEA, LANCHSHIRE, AND NOW OF 24 HEADROOMGATE ROAD, ST. ANNES, I.ANCASHIRE, ENGLAND.

Inventors: PETER HOWE.

Application No. 347|Cal|82 filed March 27, 1982. Convention date May 20, 1977 (21474|77) U.K.

Division of Application No. 546 Cal 78 filed May 19, 1978.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

11 Claims

A freight carrier comprising a base structure, forming a freight carrying platform, having a post member at each corner thereof which is pivotally mounted on the base structure and is capable of being selectively positioned between a folded position in which the post member lies parallel or substantially parallel to and adjacent to the base struc-

ture and an erected position in which the post member extends upwardly from the base structure, and locking apparatus for locking the post in the erect upright position, wherein the locking apparatus includes interlocking means for locking the post member to the base structure and clamping means for positively clamping the post to the base structure after the interlocking means has been engaged.

(Comp. Speen, 11 pages, Drg. 4 sheets).

Ind. Cl. 108 Ca.

154181.

Int. Cl. B22 f 9100

Title: A PROCESS FOR THE MANUFACTURING IRON POWDER FROM MILLSCALE FOR POWDER METALLURGY AND OTHER APPLICATIONS.

Applicant & Inventor: SUBHANJAN MOHANTY, AN INDIAN NATIONAL, OF MA-13, LAXMI NAGAR, NAGPUR-440 022 MAHARASHTRA STATF, INDIA,

Application No. 218 Bom 1982 filed Aug 27, 1982.

Complete after provisional left on Aug 10 1983.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Fatent Office, Bombay Branch.

4 Claims,

1. A process of manufacturing iron powder from nill-scale for powder metallurgy and other applications, comprises (i) mixing of ground millscale and ground wood charcoal in ratios of 7:3 to 9:1; (ii) heating the mixture in a furnacckiln at temperature ranging from 900°C, to 1200°C for 10 to 40 hours; (iii) grinding the so treated mixture to size —65 Tyler mesh and cleaning/separating the powder; (iv) charging the semi-finished iron powder in a controlled atmosphere kiln with a reducing atmosphere formed by dissociated ammonia or hydrogen gos at temperature ranging from 900°C to 1300°C, for 30 minutes to 8 hours; (v) comminuting the cokes so obtained in a pulveriser and cleaning/separating by magnetic separation, screening the powder so obtained to obtain iron powder of particle sizes ranging from 65 to 350 Tyler mesh.

Provisional Specification 3 pages. Drawings sheet Nil.
Complete specification 8 pages. Drawings sheet 1.

CLASS : 92 C & J.

154182.

Int. Cl. B02b 3104,

AUTOMATIC CONTROL SYSTEM FOR HULLING

Applicants: SATAKE ENGINEERING CO, LTD., OF 19-10 UFNO-1-COMF. TAITO-KU, TOKYO, JAPAN.

Inventors: TOSHIHIKO SATAKE, AKIRA KONC, TAKASIU HORIF & YASUHARU MITOMA.

Application No. 24|Cal|80 filed January 5, 1980.

Appropriate office for opposition proceedings (Rule 4-Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

In a hulling machine comprising a hulling roll supported on a fixed main rotary shaft, another hulling roll supported on a movable auxiliary rotary shaft disposed parallel to said fixed main rotary shaft, a main electric motor for driving said two hulling rolls, means for suppling unhulted rice to the gap between said two hulling rolls and means for controlling the movement of the movable auxiliary rotary shaft, an automatic centrel system comprising:

- (a) load detecting means for detecting the load applied to said main electric motor; and
- (b) control means for connecting said load detecting means to said means to said means for controlling the movement of the auxiliary rotary shaft.

Compl. specn. 17 pages,

Drgs. 2 sheets.

CLASS: 80 1.

154183.

Int. Cl. B07b . 1[00.

IMPROVEMENTS IN OR RELATING TO AN APERTURED PANEL OF WIRE SCREENS.

Applicants: N. GREENING LIMITED, OF BRITAN-NIA WORKS, BEWSEY ROAD, WARRINGTON WAS 5JX, ENGLAND.

Inventors: DOUGLAS ARTHUR SUNMER & NOR-MAN SAVAGE.

Application No. 123|Cal|80 filed February 2, 1980.

Convention date February 3, 1979](03854[79] U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

14 Claims

An aperture I panel of wire screens comprising a plurality of wedge-section wire members having loops at intervals in one direction only along their lengths and spaced so as to define slit apertures between adjacent wires, the wires being connected together as a panel by tie rods, tubes of the like extending through aligned loops thereof, loop parts of at least some of the wires being secured to a hollow or recessed rib member or members extending transversely thereof and cooperating seatingly therewith over at least part of the length of the rib member.

Compl. speen. 13 pages.

Drgs. 2 sheets.

CLASS: 205G.

154184.

Int. Cl. B60c 11 00.

MODULAR TIRE BUILDING MACHINE.

Applicants: NRM CORPORATION OF 3200 GIL-CHRIST ROAD, P.O. BOX 6338, AKRON, OHIA-44312, U.S.A.

Inventors: GEORGE F. FNDERS.

Application No. 174|Col|79 filed February 26, 1979.

Appropriate office for opposition proceedings (Rule 4-Patents Rules, 1972) Patent Office, Calcutta.

69 Claims.

A tire building machine comprising a tire building drum mounted on a shaft, a carrier movable axially of said shaft and including a ring in a plane normal to the axis of said shaft and concentric therewith, an arm secured to said ring, and means to swing said arm to clear the interior of said ring for movement in either direction axially of said shaft.

Compl. speen, 44 pages,

Drgs. 12 sheets.

CLASS: 107 E & G.

154185.

Int. Cl F01n 7|08.

APPARATUS FOR DIRECTING THE FLOW OF EXHAUST FLUID WITHIN AN INTERNAL COMBUSTION ENGINE

Applicants: CUMMINS ENGINE COMPANY, INC., AT 1000 5TH STREFT, COLUMBUS, INDIANA, UNIT-ED STATES OF AMERICA.

Inventors: JOHN H. STANG, WALTER A. BRIGHTON AND DAVID A. RUTHMANSDORFFR.

Application No. 677 Cal 80 dated June 7, 1980,

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

Apparatus for directing the flow of exhaust fluid within an internal combustion engine including first and second

exhaust poppet valves having separate valve stems which may be simultaneously operated to open corresponding first and second exhaust valve ports shaped to form a pair of and second exhaust valve ports snaped to form a pair of exhaust gas streams moving generally parallel to one another in a first direction; exhaust passage forming means for receiving and joining the pair of exhaust gas streams formed by the exhaust ports and for redirecting the joined gas streams along a path which has a second direction different from the first direction and which intersects the stem of the second popper valve at a point downstream from the first popper valve to cause the exhaust gas stream formed by the first exhaust valve ports to contact directly formed by the first exhaust valve port to contact directly the stem of the second poppet valve and containing an exhaust passage extending from the exhaust valve ports to a joining area substantially downstream of the stem of the second poppet valve; an exhaust valve bridge positioned between the exhaust valve ports and shaped to define a portion of the exhaust valve ports; and guide means positioned within said exhaust passage and integral with said exhaust passage forming means for redirecting the pair of exhaust gas streams toward the second direction and for maintaining the pair of exhaust gas streams substantially separate until the pair of exhaust gas streams are both moving parallel to one another in the second direction prior to reaching said joining area defined by said exhaust passage forming means, wherein the invention is characterized by said guide means inclding a vane positioned within said exhaust passage for dividing the exhaust passage into a pair of substantially parallel sub exhaust passages for receiving, respectively, the pair of exhaust gas streams formed by the exhaust valve ports, said vane extending from a point adjacent to the ex-haust valve ports to a point lust upstream from said joining area and containing an opening shaped to provide an open clearance space between the stem of the second exhaust volve and said vane, said space communicating with said pair of sub exhaust passages, wherein the upstream end of said vane is connected smoothly and integrally with said exhaust valve bridge so that the juncture of said vane and said exhaust valve bridge is free of surface discontinuities, the exterior surfaces of said vane being shaped to blend smoothly with the exterior surface of said exhaust valve bridge,

Compl. specn, 21 pages,

Drgs. 2 sheets.

CLASS: 29C.

154186.

Int. Cl. G06c 1100,

ABACUS,

Applicants: UNSHUDO COMPANY LIMITED, 4-1-SUGAWARA-CHO, KITA-KU, OSAKA CITY, JAPAN.

Inventors: KUNITERU HINO.

Application No. 852 Cal 80 filed July 24, 1980,

Appropriate office for opposition proceedings (Rule 4s Patents Rules, 1972) Patent Office, Calcutta.

1 Chim,

An abacus having a trame which is integrally molded from synthetic resin characterised in that the outward portion of the said frame has a swollen portion which is continuous and whose cross-section area decreases downwardly on the lower half of its four peripheral sides and there is provided at least at its left bottom end a knurly nonskid means.

Compl. speen. 5 pagts

Drg. 1 sheet.

CLASS: 40F. Int. Cl B01d 9|00. 154187.

APPARATUS FOR THE EXTRACTION OF CRYSTALS FROM SOLUTION BY CRYSTALLIZATION.

Applicants RICHTER GEDEON VEGYESZETT GYAR RT., OF 19 GYOMROI UT, BUDAPEST X, HUNGARY.

Inventors: DR. ISTVAN TAKACS. DR. JOZSEF FEI-MERI. GYORGY KEREY, PETER RUDOLF, ZOLTAN BANOS, ENDRE VERECZKEY, AND GYULA BOSITS. Application No. 955|Cal|80 filed August 21, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

2 Claims.

Apparatus for the extraction of crystals from their solutions by crystallization comprising a storage tank (1) for mixing the fresh solution with mother lye; a pipe (5) with a heat exchanger (6) and connected pump (4) for delivery of the mother phase from the storage tank; a treating device (12) for the formation of crystal slurry from the mother phase by cooling having a treating body with two sections, the first section (1) being provided with a horizontal truncated cone or truncated pyramid-shaped treating large (13) restrictly cround the horizontal truncated cone or truncated pyramid-shaped treating large (13) restrictly cround the horizontal truncated cone or truncated pyramid-shaped treating large (13) restrictly cround the horizontal truncated cone or truncated pyramid-shaped treating large (13) restrictly cround the horizontal cone of the contract o tal truncated cone or truncated pyramid-shaped treating drum (13) rotatable around the horizontal or near-horizontal longitudinal, geometrical symmetry axis (x), the side surfaces and end plates of said treating drum being formed by plate metal, a pipe for feeding the material leading into the interior through a smaller end plate, while a larger end plate has an opening arranged eccentrically in relation to the symmetry axis (x), and the second section (11) of the treating body being rigidly and rotatably connected with the treating drum (13), the second section having at least three, drum like-oblong treating members leading into each other, the side surfaces of which are formed with plate metal, and the geometrical longitudinal axes of the treating members together forming a zig-zag or similar line and each members together forming a zig-zag or similar line and each intersecting the geometrical symmetry axis (x) of the treating drum outside the treating drum, the geometrical symmetry axis (x) being the common axis of rotation of the treating body part consisting of the treating drum and the treating mambage (complete the treating drum and the treating mambage (complete the treating drum and the t ing members forming the second part of the treating body; a feeding device attached to the freating body for feeding the material to be freated into the interior of the freating body; means for discharge of the treated material from the treating body; a device for delivery of a heating or cooling medium into conflact with the external surface of the treating body; a filter device (36) for filtration of the crystal slurry from the treating device; and a pipe for recycling the mother lye containing crystals separated by filtration into the storage tank, the treating device and the filter device being inter connected in a closed system.

Compl. speen, 21 pages,

Drg. 1 sheet.

CLASS: 176D&L Int. Cl. F22b 13|00 F23j 1|00. 154188.

AN ASH DISPOSAL SYSTEM FOR ASH DISCHARGED FROM THE FURNACE OF COAL FIRED STEAM GENERATORS.

Applicants: COMBUSTION ENGINEERING, INC., OF 1000 PROSPECT HILL ROAD, WINDSOR, CONNECTICUT, UNITED STATES OF AMERICA.

Inventor: WILLIAM STEPHI:N MIKUS.

Application No. 979 Cal 80 filed August 26, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

4 Claims.

An ash disposal system for ash discharged from the furnaces of coal fired steam generators, comprising an ash hopper positioned beneath the combustion chamber into which the ash falls, means such as a water inlet pipe and a water outlet pipe provided for maintaining a given water level in the ash hopper, a discharge opening in the bottom of the ash hopper, through which the ash is discharged, screen means for separating ash from water, pipe means connecting the ash hopper discharge opening with the screen means, means such as a pipe line provided for adding transport water to the pipe means at a point adjacent the ash hopper discharge opening, means such as a pump provided for recycling the water separated in the screen means back to the point adjacent the ash hopper discharge opening, and means such as an outlet provided by which the separated ash can be discharged from the screen means.

Compl. specu. 6 pages.

Dig. 1 sheet.

CLASS: 25A.

154189.

Int. Cl. E04c 1/00.

FIG-IN BLOCK FOR CONSTRUCTION OF BUILD-

Applicants & Inventor: JOSE COELHO DOS SANTOS, P. ESTRADA DOS ARNEIROS, 46-10 DTO. LISBON, PORTUGAL,

Application No. 1015 Cal 80 filed September 5, 1980,

Appropriate office for opposition proceedings (Rule 4-Patents Rules, 1972) Patent Office, Calcutta.

15 Claims.

A fit-in block for the construction of buildings, characterised in being formed of two side faces of rectangular shape constituting respectively a front or visible face (1) of the block, and a rear face (1') parallel with the former, the front four beginning along the property of the former. the front face having along the upper longitudinal edge and along a contiguous vertical edge recesses (5) for joining with the corresponding face of the upper block, and in the side faces being joined by transversal strips (2) defining through rectangular cavities (2), the extreme strips on the side faces of the blocks supplying, through their position, on one side and the other respectively, lateral male fittings and female fittings, said strips being furthermore situated relative to the side faces in such a manner that, at the top and at the bottom, male fittings or female fittings respectively, are also provided, supplying in this way male or female fittings, or, alternatively, male and female, on the four non-visible sides of the block.

Compl. specn. 32 pages.

Drgs. 12 pages.

CLASS: 48C.

154190.

Int. Cl. H01b 3,24.

IMPROVED DIELECTRIC FLUIDS.

Applicants: WESTINGHOUSE ELECTRIC CORPORA-TION, OF WESTINGHOUSE BUILDING, GATEWAY CENTRE, PITTSBURGH, PENNSYLVANIA 15222, UNI-TED STATES OF AMERICA.

Inventors: HENRY ALEXANDER PLARCE, PAUL VOYTIK AND EDWARD JOHN WALSH.

Application No. 326 Cal 81 filed March 25, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

An improved dielectric fluid which comprises from 20 to 99% by volume tetrachloroethylene and 1 to 80% by volume of a diluent, said dielectric fluid containing less than 100 ppm of chlorohydrocarbon as hereinbefore described.

Compl. specn, 14 pages.

Drgs. 5 sheets.

CLASS: 32B,

154191.

A PROCESS FOR THE PREPARATION OF HYDRO-CARBONS.

Applicants: SHE'LL INTERNATIONALE RESEARCH MAATSCHAPPIJ B.V., OF CAREL VAN BYLANDT-LAAN 30, THE HAGUE, THE NETHERLANDS.

WAARD, MICHAEL ADRIAAN MARIA AND LAMBERT SCHAPER. JOSEPH BOERSMA

Application No. 331|Cal|81 filed March 26, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims.

A process for the preparation of a hydrocarbon mixture, characterized in that a mixture of carbon monoxide and hydrogen having a H_z CO molar ratio from 0.25 to 1.0 is contacted in a first stage with a catalyst or catalyst combiuation selected from a catalyst containing 30-75 parts by weight iron and 5-40 parts by weight of magnesium per 100 parts by weight of alumina and a catalyst containing 10-40 parts by weight of iron and 0.25-10 parts by weight of chromum per 100 parts by weight of silica, and that carbon monoxide and hydrogen present in the reaction product of the first stage are contacted in a second stage with a catalyst or catalyst combination selected from a catalyst A containing 10-40 parts by weight of cobalt and 0.25-5 parts by weight of zirconium, titanium or chromium per 100 parts by weight of zirconium, titanium or chromium per 100 parts by weight of silica when the feed of the second stage has a H₂|CO molar ratio of at least 1.5, and a catalyst combination consisting of catalysts A and B, catalyst B commining copper and zinc in a Cu|Zn atomic ratio between 0.25 and 4.0, after the addition of water to the feed of the second stage when said feed has a H₂|CO molar ratio of less than 1.5.

Compl. specn. 14 pages.

Drg. Nit.

CLASS: 32D.

154194.

Int. Cl. C07f 3/03.

A PROCESS FOR THE MANUFACTURE OF HYDROCARBON SOLUTION OF A DIALKYLMAGNESIUM COMPOUND,

Applicants: IEXAS ALKYLS, INC., WESTPORT, CONNECTICUT 06881, UNITED STATES OF AMERICA.

Inventors: DENNIS BENEDICI MALPASS, LOYD WAYNE FANNIN AND RAMIRO SANCHEZ.

Application No. 499[Calj81 filed May 12, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the manufacture of hydrocarbon solution of a dialkylmagnesium compound which comprises

- (a) reacting metallic magnesium with at least one askyl nalide other than ituoride selected to produce at a hydrocarbon-soluble dialkylmagnesium compound of 4 to 20 carbon atoms per molecule, in the presence of or followed by the addition of a hydrocarbon solvent and an organometallic additive spected from the group consisting of R₃Ca, R₃In, and RLi, in which R is C₁-C₁₂ alkyl or C₅-C₅ cycloalkyl, to produce a slurry
- (b) separating the solid components from said slurry to obtain a homogeneous liquid phase, both steps being conducted in the substantial absence of both moisture and oxygen.

Comp. Speen. 18 pages.

Drg. Nil.

CLASS: 9D.

154193

Int. Cl. C22c 39|14.

PROCESS FOR THE PRODUCTION OF LOW-CARBON FERROCHROMIUM IN A REACTOR.

Applicants: SOCIETE FRANCAISE D'ELECTROMETAL-LURGIE SOFREM, OF 10, RUE DU GENERAL FOY 75008, PARIS, FRANCE.

Inventors: LOUIS BOSCARD, JEAN MONTANTEME AND JEAN-PHILIPPE BUCHER.

Application No. 1249 Cal 81 filed November 10, 1981.

Appropriate office for opposition proceedigs (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

13 Claims

A process for the production of low carbon ferro-chromium which comprises treating an ore with a solid carbon-bearing acutating agent at clevated temperature in a reactor comprising a substantially cylindrical refractory chamber

which can rotate about its axis, the axis being inclinable in all positions from vertical to norizontal, wherein the gases from combustron of the solid carbon bearing reducing agent can be recovered, characterised by the succession of the rodowing steps:

- -- a charge of chromium ore and carbon-bearing reducing agent is introduced into the reactor,
- the charge is raised to a temperature which is at least equal to 1200 c by any known heating means,
- a succession of further introductions of solid carbonbearing reducing agent is carried out on to the charge, and oxygen is injected to cause combustion or said additional amounts, the reactor being rotated, with the axis thereof being mentaed, until a bath of liquid ferrochromium which is subsequently saturated in respect of carbon and which is covered by sing which is substantially exhausted with reference to chromium is produced,
- the scoria is cleaned and decarburation is effected by rejecting oxygen, by means of a lance, at the surface of the bath of liquid carburated ferrochromium, the reactor being in rotary movement and the axis thereof being inclined, until the carbon content reaches the desired value which can form 2% to 0.2% and even 0.1%, and
- -- the decarburized ferrochromium is poured by any known means.

Comp. Specn. 17 pages.

Drgs. 1 sheet.

154194

CLASS: 107H.

Int. Cl. F02m 57/00.

A FUEL INJECTION PUMP.

Applicants ROBERT BOSCH GMBH, 7000 STUTTGART 1. POSTFACIT 50, FEDERAL REPUBLIC OF GERMANY.

inventors: WALTER HAFELE AND BERNHARD SCHENK.

Application No. 1332 Cal[81 filed November 26, 1981.

Appropriate office for opposition proceedigs (Rule 4, Faterns Kules, 1972) Patent Office, Calcutta.

15 Claims

A fuel injection pump comprising pump units each having a pump piston with an oblique control edge and a pump cyninder rotatally disposed in a bore in the housing of the injection pump, and at least one device for individually preadjusting the delivery quantities of the pump units, which device comprises a recess incorporated in the periphery of the pramp cylinder, an adjusting element having a cylindrical shank which is aligned at right angles to the pump cylinder and is rotatably disposed in a bore in the pump housing, and a pin which is formed eccentrically on the shank and orgages the recess in the pump cylinder for the pump of adjusting the pump cylinder by rotation of the adjusting clement and a retaining element for securing the adjusting pin in position, at least one further recess being provided in the housing of the pump directly centiguously to the respective bore therein so that the adjusting element extends into the said second recess, and the retaining element being pressed into the second recess between the housing and the adjusting element.

Comp. Speen, 13 pages,

Dig. I sheet.

CLASS 32A₁.

154195

Int. Cl. C09b 31]02 & 62|04.

PROCESS FOR THE MANUFACTURE OF WATER-SOLUBLE DYFSTUFFS.

Applicants: HOECHSI AKTIENGESELLSCHAFT OF D-6230 FRANKFURT| MAIN 80, FEDERAL REPUBLIC OF GERMANY.

Inventors; ERNST HOYER, FRITZ MEININGER AND RUDOLF FASS.

Application No. 385 Cal 82 filed April 7, 1982.

Division of Application No. 1162|Cal|78 filed October 26, 1978.

Appropriate office for opposition proceedigs (Rule 4 Patents Rules, 1972) Patent Office, Calcutta.

12 Claims

A process for the manufacture of water-soluble dyestuff which in the form of the free acid has the general formula (1) of the accompanying drawings

Founula (1)

or a slat thereof in which D is a benzene nucleus or naphthulene necleus,

R₁ is in the ortho-position relative to the azo group on D and is a hydrogene atom, a halogen atom, an alkyl group of 1 to 4 C-atoms, an alkoxy group of 1 to 4 C-atoms, a hydroxy group of a sulfonic acid group and

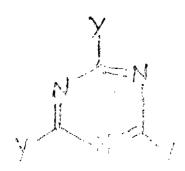
 R_2 is a hydrogen atom, a halogenatom, an alkyl group of 1 to 4 C-atoms, an alkoxy group of 1 to 4 C-atoms, a nitro group or a sulfonic acid group, it being possible for R_1 and R_2 to be identical or different from one another

X represents a B-thiosulfatoethyl group, the vinyl group or a B-sulfatoethyl group, and

Y is a chlorine, fluorine or bromine atom which comprises subjecting 2 moles of a monoazo compound, which in the torm of the free acid corresponds to the general formula (2)

Formula (2)

in which R_1 , R_2 , D and X are defined as above, to a condensation reaction with a thribalogeno-s-triazine compound of the formula (3)



Formula (3)

in which Y is as defined as above.

Comp. Specn. 29 pages.

Drgs. 5 sheets.

CLASS: 72B.

154196

Int. Cl. C06b 1 00.

IMPROVED CAP-SENSITIVE SMALL DIAMETER SEURKIED EXPLOSIVE COMPOSITIONS AND METHOD FOR THE PRODUCTION THEREOF.

Applicants: INDIAN EXPLOSIVES LIMITED, OF ICI HOUSE, 34, CHOWRINGHEE, CALCUTTA-700071, WEST BENGAL, INDIA.

Inventors: GAUTAM SEN AND SOUMENDRA NATH SEN.

Application No. 538 Cal 82 filed May 14, 1982.

Division of Application No. 1260 Cal 78 filed January 21, 1980.

Appropriate office for opposition proceedigs (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

3 Claims

Cap-sensitive small diameter sluried explosive compositions comprising one or more inorganic oxidiser salts such as herein described a sensitising agent, at least one fuel such as herein described, one or more conventional gelling agents, one or more conventional crosslinking agents, and, it destrict, a conventional foaming agent, characterised in that suid sensitising agent comprises a neutralised mixture at ambient temperature of an excess of ammonium nitrate and formal-denyde or para-formaldehyde.

Comp. Specn. 16 pages.

Drgs. Nill.

CLASS: 205B&G.

154197

Int. Cl.: B29D 23|05, B29h 3|08, 15|00.

TIRE BUILDING MACHINE.

Applicants: NRM CORPORATION OF 3200 GIL-CHRIST ROAD, P.O. BOX 6338, AKRON, OHIA 44312, U.S.A.

Inventors: DANIED SHICHMAN, SAMUEL EDWARD NOLD AND GEORGE EUGENE ENDERS.

Application No. 135|Cal|80 filed February 5, 1980.

Appropriate office for opposition proceedigs (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

26 Claims

A tire building machine comprising bead locks, each comprising an outwardly opening annular trapezoidal chamber closed by an annular elastic ring of similar configuration a plurality of axially facing metal guide segments secured to said ring and radially extending guide means for said segments operative to preclude said ring from flexing axially when expanded.

Comp. Specn. 19 pages.

Drgs. 5 sheets.

CLASS: 271.

154198

Int. Cl. E 01 d 15|12; 15|14.

BUOYANT PLATFORM.

Applicants: FRIED KRUPP GESELLSCHAFT MIT BESCHRANKTER HAFTUNG, OF ALTENDORFER STR 103, D-4300 ESSEN 1, FEDERAL REPUBLIC OF GERMANY.

Inventors: WOLFGANG DIEFENDAHL & KARL-FRIEDRICH KOCH.

Application No. 587[Cal]80 filed May, 16, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A buoyant platform for bridging obstacles, particularly stretches of water, which comprises a fattice plate forming a fackway and carrying at one side a structural element naving a lower surface which is upwardly and outwardly inclined, the lattice plate being fixed to a rigid longitudinally extending buoyancy element which has an upwardly and outwardly inclined portion adjoining that of said structural member and carried at the side remote from said structural member and at the ends at least one coupling element by which the platform can be coupled to corresponding coupling elements on other and similar platforms to form a floating bridge.

Comp. Speen, 10 pages.

Drgs. 4 sheets.

CLASS: 32 Fa(C).

154199.

Int. Cl. C 12 c 11,00.

A PERMENIATION PROCESS AND AFFARATUS FOR THE MANUPACTURE OF ETHANOL OR LIKE VOLATILE ORGANIC COMPOUND.

Applicant: KINS DEVELOPMENTS LIMITED, OF 12A UPPER BERKELLY STREET, LONDON WIE 7PE, ENGLAND AND ROLLS-ROYCE LIMITED, OF 65 BUCKINGHAM-GATE, LONDON SWIE 6AT, ENGLAND.

Inventors: I. MARTIN ENGLISH, 2. DAVID PHILIP PTM, 3. LINDSAY UKAHAME DAWSON.

Application No. 824 Cal 80 fited July 18, 1980.

Conventional date 18th July, 1979 (7924957) U.K. and 19th May, 1986 (8019470) U.K.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

42 Claims

Improvement in a process for the manufacture of a volatile organic compound such as ethanol which process includes the steps of fermenting in a fermenter, a carrohydrate with a micro-organism known for the purpose which will convert the carbohydrate into said volatile organic compound, continuously transferring a portion of the fermentation medium to a separator where said volatile organic compound is evaporated from the fermentation medium, the improvement in the process comprising evaporating said volatile organic compound from the fermentation medium which is not deleterious to the micro-organism by subjecting the fermentation medium to a reduced pressure and recyclining part or all of the remaining fermentation medium to the fermenter, the rate of the circulation of fermentation medium from the fermenter to the separator and back being such that the amount of said volatile organic compound in the fermentation medium in the fermenter is kept sufficiently low so as not to deterimentally affect the rate of fermentation, compressing the vapour issuing from the separator thereby raising its temperature, and recondensing the compressed vapour in a heat transfer system to provide heat for use in evaporating said volatile organic compound from the fermentation medium in the separator.

Compl. Specn. 35 pages.

Drgs. 2 sheets.

CLASS: 172Dt.

154200

Int. Cl. D 01 h 1/18..

APPARATUS WITH A BOBBIN SUPPORT MEMBER FOR AN OPEN-END SPINNING MACHINE.

Applicant: MASCHINENFABRIK RIETER A.G., OF WINTERTHUR, SWITZERLAND.

Inventor: PER OLA OLSSON.

Application No. 1051/Cal/80 filed September 15, 1980.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

Apparatus with a bobbin support member for an open end spinning machine for producing a fancy yarn, which comprises able silver deposited in a can and roving would onto a bobbin package, means being provided for supplying the libre silver and the roving to a spinning unit, characterized in that on the can (13) a bobbin support member (23) is detachably mounted, which contains at least one support element (31) for supporting a roving bobbin (15).

Compl. speen. 8 pages.

Drgs. 2 sheets.

CLASS: 14A2 &

154201.

Int. Cl. H 01 m 39|00,

LEAD SALT ELECTRIC STORAGE BATTERY.

Applicant & Inventor: PETER OLAF HENK, OF CEDERVEJ 14, DK-3650 OLSTYKKE DENMARK AND PETER AXEL FISHER, OF ESPLANADEN 14, DK-1265 COPENHAGEN, DENMARK.

Application No. 2)Cal|81 filed January 2, 1981.

Appropriate effice for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

8 Claims

A lead slat electric storage battery with electrodes of first order, having an active anode body comprising graphite, characterized by the combination of the following features:

- (a) the active anode body (4, 19, 48) consists of graphite fibres in textile structure, said fiores being graphitized at a temperature lower than 2500°C,
- (b) the active anode body (4, 19, 48) is connected with an electrolyte-impervious, electrically conductive cell closure (1, 11, 12, 41, 42) consisting or moulded artificial resin with moulded-in, uniformly distributed short graphite fibres, graphitized at a temperature lower than 2500°C,
- (c) the connection between the active anode body (4, 19, 48) and the cell closure (1, 11, 12, 41, 42) is established either by gluing with an artificial resin glue (5) with mixedin short graphite fibres graphitized at a temperature lower than 2.500 °C, or by embedding such fibres at the surface of the active anode 'oody in the artificial resin of the cell closure by temporary softening of the surface of said artificial resin by heat or by the application of a volatile solvent,
- (d) the electrolyte consists of lead silicofluoride (PoSilF₆) with or without the addition of lead methan sulfonate $[P_n(CH \cdot SO^n)_2]$ dissolved in water.
- (e) the graphite fibres mentioned under (a), (b) and (c) hereinabove and the artificial resin materials with moulded in short graphite fibers are such as are capable of withstanding a gas development test consisting of immersing a sample of the respective materials and a strip of lead in an acid aqueous solution of lead silico-fluoride, connecting the sample to the positive terminal and the strip of lead to the negative terminal of a source of electric current, awaiting the deposition of a thin layer on the sample, inserting the sample thus prepared into a test tube from polystyrene filled with the same liquid as above, hermetically closing the test tube and storing it in inverted position, and watching that no trace of gas development takes place in said test tube within an observation interval up to four weeks.

Compl. specn. 16 pages.

Drgs. 3 sheets.

CLASS 172D4

Int, Cl. D 01 h 9 00.

154202

DEVICE FOR LIFTING A TUBULAR MEMBER FROM A SPINDLE OF A TEXTILE MACHINE.

Applicant: SCHUBER & SALZER MASCHINENFAB-RIK AKTIENGESELLSCHAFT OF FRIEDRICH-EBERT-STRASSE 84. 8070 INGOLSTADT, WEST GER-MANY. Inventors: 1. RAINER STUDTMANN, 2. ERICH BOCK.

Application No. 194|Cal|81 filed February 20, 1981.

Appropriate office for opposition proceedings (Rule 4, Patents Rules, 1972) Patent Office, Calcutta.

7 Claims

A device for lifting a tubular member from a spindle of a textile machine, in particular of a machine for spinning bound yarn, characterised in that at least the end of the tubular member remote from the free end of the spindle is or comproses a ring of an electrically conductive, non-ferromagnetic material, a magnetic coil being stationarily arranged with its end face disposed opposite the ring, this magnetic coil being connected to a source of alternating

Compl. speen, 9 pages,

Digs. 2 sheets.

OPPOSITION PROCEEDINGS

The opposition entered by 1DI Chemicals Ltd., to the grant of a patent on application No. 146897 made by Indian Explosives Ltd as notified in the Gazett of India. Part-III. Section 2 dated the 21st June. 1980 has been partly allowed and ordered that a patent to the sealed subject to amendment of the specification.

PATENTS SEALED

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RENEWAL FEED PAID

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PAYMENT OF RENEWAL FEES SECTION-142(4)

The payment of the renewal fees along with extension of time on patents Nos. 150321 and 150331 has been refused by order of Joint Controller of Patents and Designs dated. 20th August 1984.

RESTORATION PROCEEDINGS

(1)

Notice is hereby given that an application was made under Section 60 of the Patents Act, 1970 for the restoration of Patent No. 144378 granted to Taraporevala Marine Biological Research Station for an invention relating to "a hatchery for the hatching of fish eggs".

The patent ceased on the 17th May, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part-III, Section 2, dated the 19th May 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Lagadish Bose Road, Calcutta-700017 on or before the 29th November 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(2)

Notice is hereby given that an application for restoration of Patent No. 145046 dated the 17th December, 1976 made by Council of Scientific & Industrial Research on the 20th December, 1983 and notified in the Gazette of India. Part III. Section 2 dated the 17th March, 1984 has been allowed and the said patent restored.

(3)

Notice is hereby given that an application was made under Section 60 of the Patents Act. 1970 for the restoration of Patent No. 147566 granted to Smt. Balasubramaniam Vijavalakshmi for an invention relating to "electrical connector for terminating aluminium electrical L. T. Cables."

The patent ceased on the 3rd Sept., 1981 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Gazette of India, Part III. Section 2 dated the 2nd January, 1982.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office. 214, Acharva Lagadish Boso Road. Calcutta-700017 on or before the 29th November 1984 under Rule 69 of the Patents Rules. 1972 A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

(4

Notice is hereby given that an application was made under Section 60 of the Patents Act. 1970 for the restoration of Patent No. 150247 granted to Gudgets India for an invention relating to "rear view mirrors for use in vehicles".

The patent ceased on the 22nd July, 1983 due to non-payment of renewal fees within the prescribed time and the cessation of the patent was notified in the Guzette of India. Part-III, Section 2, dated the 9th June, 1984.

Any interested person may give notice of opposition to the restoration by leaving a notice on Form 32 in duplicate with the Controller of Patents. The Patent Office, 214, Acharya Jagadish Bosz Road, Calcutta-700017 on or before the 29th November 1984 under Rule 69 of the Patents Rules, 1972. A written statement in triplicate setting out the nature of the Opponent's interest, the facts upon which he bases his case and the relief he seeks, shall be filed with the notice or within one month from the date of the notice.

REGISTRATION OF DESIGNS

The following designs have been registered. They are not open to inspection for a period of two years from the date of registration except as provided for in Section 50 of the Designs Act, 1911.

The date shown in the each entry is the date of registration of the design included in the entry.

- Class. 1. No. 154064. Shourie Copieurs Private Limited, of C-36, Westen Colony, New Delhi-110023, India, an Indian Company. "Electrostatic Photocopying Machine". 21st February, 1984.
- Class. 1. No. 154013. Brite Metal Products, Ground floor, Yeshoda Niwas, Ranade Road, Extn., Shivaji Park, Bombay-400028, Maharashtra, an Indian Partnership Firm". "Towel Rail". 31st January, 1984.
- Class. 1. No. 154014. Brite Metal Products, Ground floor, Yeshoda Niwas, Ranade Road, Fxtn., Shivaji Park, Bombay-400028, Maharashtra, an Indian Partnership Firm, "Shelf". 31st January, 1984.
- Class. 1. No. 154018. Brite Metal Products, Ground floor, Yeshoda Niwas, Ranade Road, Extn., Shivaji Park, Bombay-400028, Maharashtra, an Indian Partnership Firm. "Robe Hook". 31st January, 1984.
- Class. 1. No. 154018. Honlock Toyo Die-Casting Company, Upper Fort, Shaikh Dawood, Aligarh-202001, Uttar Pradesh, India, an Indian Partnership Firm. "Lock". 29th February, 1984.
- Class. 1. No. 154210. Areu Armaturindustri AB, a Swedish Joint Stock Company, of Box 64, S-360 75 Alsterme, Sweden. "A Faucet" 22nd March, 1984.
- Class. 3. No. 154509. Prabhat Industries, A-104/14, Wazirpur Industrial Area, Delhi-110052, an Indian Partnership Concern. "Jar". 14th June, 1984.
- Class. 3. No. 154103. Milton Plastics, a registered Indian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202/203, Raheja Centre, 214, Nariman Point, Bombay 400021, Maharashtra, India. "Container". 28th

- Class. 3. No. 154571. Milton Plastics, a Registered ndian Partnership Firm, registered under the Indian Partnership Act, 1932, having office at 202|203, Raheja Centre, 214, Nariman Point, Bombay-400021, Maharashtra, India. "a Flask". 10th July, 1984.
- Class. 3. No. 154572. Milton Plastics, a Registered Indian Partnership Firm, registered under the Indian Purtnership Act, 1932, having office at 202|203, Raheja Centre, 214, Nariman Point, Bombay-400021, Maharashtra, India. "a Tray Set". 10th July, 1984.
- Class. 3. No. 154573. Milton Plastics, a Registered Partnership Firm, registered under the Partnership Act, 1932, having office at 202|203, 400021, Maharashtra, India. "Container". 28th 400021, Maharashtra, India. "a Water 10th July, 1984.
- Class. 3. No. 154157. Biolens, 10-A, Rani Ka Bagh, State Bank Road, Amritsar, a Partnership concern registered under the Indian Partnership Act, "Iris Claw Intra Ocular Lense". 13th March, 1984.
- Class, 3. No. 154502. Sonodyne Television Co. Pvt. Ltd., an Indian Company, 98, NB Block-E. New Allpore, Calcutta-700053, West Bengal, India. "The Television Set Casing Cabinet". 13th June, 1984.
- Class, 3. No. 154005, Aspi Rustomje Balsara, an Indian National of 43, Nagindas Master Road, Fort, Bombay-400023, Maharashtra State, India. "A Tooth Brush". 30th January, 1984.
- Class. 3. No. 154501. Sonodyne Television Co. Pvt. Ltd., an Indian Company, 98, NB Block-E, New Alipore, Calcutta-700053, West Bengal, India. "Television Set Casing|Cabinet". 13th June, 1984.

A. R. ACHARYA
CONTROLLER GENERAL OF PATENTS, DESIGNS
AND TRADE MARKS